

DECLARATION

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **LIMITED AUTOMATIC REPEAT REQUEST PROTOCOL FOR FRAME-BASED COMMUNICATION CHANNELS** the specification of which is attached hereto.

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

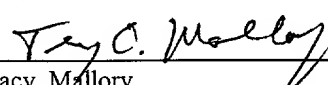
Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Date of Filing	Status

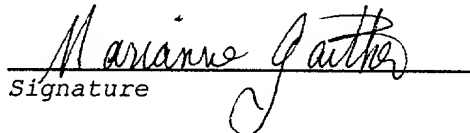
Full Name of Inventor 1:	Last Name: MALLORY	First Name: TRACY	Middle Name or Initial: D	
Residence & Citizenship:	City: Palo Alto	State/Foreign Country: CA	Country of Citizenship: United States of America	
Post Office Address:	Post Office Address: 4026 Ben Lomond Drive	City: Palo Alto	State/Country: CA	Postal Code: 94306

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1  Tracy C. Mallory	Signature of Inventor 2 _____	Signature of Inventor 3 _____
Date 5/20/99	Date	Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to Commissioner of Patents and Trademarks, Washington, D.C. 20231 on September 27, 1999.


Signature

Applicant : Tracy D. Mallory
Application No. : 09/316,541
Filed : May 21, 1999
Title : LIMITED AUTOMATIC REPEAT REQUEST PROTOCOL
FOR FRAME-BASED COMMUNICATION CHANNELS

Grp./Div. : 2731
Examiner : Not Yet Assigned

Docket No. : 35509/JWE/E264

LETTER ACCOMPANYING SUBSTITUTION OF ATTORNEY BY ASSIGNEE

Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

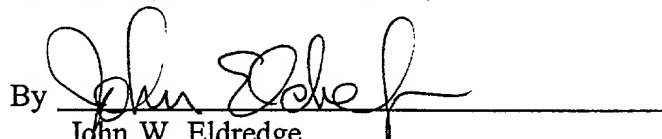
Post Office Box 7068
Pasadena, CA 91109-7068
September 27, 1999

Commissioner:

Please enter the enclosed Substitution of Attorney by Assignee appointing Christie, Parker & Hale, LLP as attorneys of record concerning Patent Application No. 09/316,541, Filed May 21, 1999

Respectfully submitted,

CHRISTIE, PARKER & HALE, LLP

By 
John W. Eldredge
Reg. No. 37,613
626/795-9900

JWE/mg
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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Tracy D. Mallory
 Application No. : 09/316,541
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Grp./Div. : 2731
 Examiner : Not Yet Assigned

Docket No. : 35509/JWE/E264

SUBSTITUTION OF ATTORNEY BY ASSIGNEE

Commissioner of Patents and Trademarks
 Washington, D.C. 20231

Commissioner:

EPIGRAM, INC., assignee of the entire interest in and to the above-identified U.S. patent application under an Assignment dated May 20, 1999 and presented to the U.S. Patent and Trademark Office on May 21, 1999 for recordation (a copy of which is attached), hereby revokes all previous Powers of Attorney and appoints:

R. W. Johnston	(17,968)	John D. Carpenter	(34,133)	Lucinda G. Auciello	(42,270)
D. Bruce Prout	(20,958)	David A. Plumley	(37,208)	Norman E. Carte	(30,455)
Hayden A. Carney	(22,653)	Wesley W. Monroe	(39,778)	Joel A. Kauth	(41,886)
Richard J. Ward, Jr.	(24,187)	John W. Eldredge	(37,613)	Patrick Y. Ikehara	(42,681)
Russell R. Palmer, Jr.	(22,994)	Gregory S. Lampert	(35,581)	Mark Garscia	(31,953)
LeRoy T. Rahn	(20,356)	Grant T. Langton	(39,739)	Gary J. Nelson	(44,257)
Richard D. Seibel	(22,134)	Constantine Marantidis	(39,759)	Raymond R. Tabandeh	(43,945)
Walter G. Maxwell	(25,355)	Daniel R. Kimbell	(34,849)	Phuong-Quan Hoang	(41,839)
William P. Christie	(29,371)	Craig A. Gelfound	(41,032)	Jun-Young E. Jeon	(43,693)
David A. Dillard	(30,831)	Syed A. Hasan	(41,057)	Kathy Mojibi	(41,409)
Thomas J. Daly	(32,213)	Kathleen M. Olster	(42,052)	Cynthia A. Bonner	(P-44,548)
Vincent G. Gioia	(19,959)	Daniel M. Cavanagh	(41,661)		
Edward R. Schwartz	(31,135)	Molly A. Holman	(40,022)		

all members or associates of or of counsel to the firm CHRISTIE, PARKER & HALE, LLP, telephone (626) 795-9900, as principal attorneys with power to appoint associate attorneys, to

September 27, 1999
9-27-99 M. Maxine Parker

09/316,541 "SEP 27 1999"

Application No. 09/316,541

prosecute this application and any subsequent application based on the disclosure of this application, and to transact all business in the Patent and Trademark Office connected with this application and any subsequent application.

The authority under this Power of Attorney of each person named above shall automatically terminate and be revoked upon such person ceasing to be a member or associate of or of counsel to that law firm.

Please address all correspondence to CHRISTIE, PARKER & HALE, LLP, P.O. Box 7068, Pasadena, California 91109-7068.

EPIGRAM, INC.

Date 9/15/99

By D. L. Gault
Name David Garrett
Title CFO

JWE/mg

MG IRV22915.1.*-9/10/99 4:33 pm

ASSIGNMENT OF PATENT APPLICATION

SOLE

WHEREAS, Tracy Mallory, of 4026 Ben Lomond Drive, Palo Alto, CA 94306, hereinafter referred to as "Assignor," is the inventor of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: Limited Automatic Repeat
Request Protocol for Frame-Based
Communication Channels

Date(s) of execution of Declaration: 5/20/99; and

Filing Date: Herewith

WHEREAS, Epigram, Inc., located at 870 West Maude Avenue, Sunnyvale, CA, 94086, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees that Assignor will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has signed his/her names on the dated indicated.

Dated: 5/20/99

Tracy O. Mallory
Tracy Mallory
D.

STATE OF CALIFORNIA)

SS.

COUNTY OF SANTA CLARA)

On May 20 1999, before me, JOHN PODGURSKI, personally appeared Tracy Mallory, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

John Podgurski
NOTARY PUBLIC

My Commission Expires: OCT 12/2001

SF 221199 v1

